

aliphatic alkanolamine of from 2 to 12 carbon atoms and from 0.4 to 1.7 mol/l of activator selected from piperazine, methyl piperazine and morpholine,

removing the COS essentially completely from the fluid stream, and

separating the substantially COS-decontaminated fluid stream and the COS-loaded scrubbing liquor and discharging them from the absorption or extraction zone.

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3. (Amended) A process as claimed in claim 1, wherein the total amine content of the scrubbing liquid is from 20 to 70% by weight, preferably from 40 to 50% by weight.

4. (Amended) A process as claimed in claim 1, wherein the alkanolamine used is tertiary alkanolamine.

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